

Automated Wireless Monitoring

Monitor – Report – Alarm – Protect



Pharmaceutical, Lab & Scientific

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Monitoring products and samples whilst satisfying the demands of legislations.

System Overview

The ADM GeneSys Web System provides an uncomplicated 24/7 cloud based, automated monitoring system; which is ideal for both single and multinational sites, providing a secure and simple way of streamlining the day to day monitoring of products and samples whilst satisfying the demands of legislations. Providing accurate, continuous temperature records for all your monitoring points, the GeneSysWeb System gives you full control over your site.



We provide

- Real time data viewable from any web browser enabled operating system and device.
- All data managed by ADM and stored on multi servers offsite.
- Tamperproof data satisfying MHRA, HTA, FDA, NHS, CFR 21 Part 11 all under our ISO9001:2015 Quality Management System.
- System Maintenance and Calibration carried out onsite by ADM to a UKAS standard.
- Temperatures, alarms and full system audit reports at the touch of a button, from the date of install.
- Escalation alarms generated via emails and SMS.
- Alarms for out of parameter readings with alerts to an unlimited number of personnel.
- Passwords allocated for Administrator/Power User/ Users to ensure greater control on who can view and action relative requirements.
- Available for an unlimited number of sensors and sites.

ADM GeneSys GEN-LBS2 GSM & LAN Base Station

- Receives data from the ADM GeneSys wireless sensor modules (433MHz ISM Band).
- Uploads the measurement data via GSM or LAN to the ADM GeneSys Web Server.
- Internal data flash memory (2MB) for storing sensor data. This data can be recovered remotely via LAN.
- USB connection for configuration purposes.
- Operates as a stand-alone device utilising 7V supply (1A).
- Robust case. External 433MHz antenna.
- On board, rechargeable battery that allows the device to function without external power supply for up to 4 hours.

ADM GeneSys Repeater GEN-RPT1

- Receives data from the ADM GeneSys wireless sensor modules (433MHz ISM Band).
- Retransmits the same data, thereby increasing the RF Range.
- Internal rechargeable battery that allows the device to function without external power supply for up to 4 hours.
- Enclosures 83*58*33mm (IP66)



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Digital Transmitter

Integrated Sensor GEN-TINT1

- Transmits temperature data via 433 MHz ISM Band.
- Measures every 45 seconds (on average)
- Accuracy: $\pm 0.5^{\circ}\text{C}$ (max) from -20°C to $+50^{\circ}\text{C}$.
- Temperature range external probe: -20°C to $+50^{\circ}\text{C}$
- Supply by one non-rechargeable Li battery AA 3.6v.
- Battery life >5 years.
- Waterproof enclosures 83*58*33mm (IP66).

PT100 External Wired Sensor GEN-PXW1

- Transmits temperature data via 433MHz ISM band.
- Measures every 45 seconds (on average).
- Accuracy: $\pm 0.5^{\circ}\text{C}$ (max) from -40°C to $+100^{\circ}\text{C}$.
- Temperature range external PT100 probe: -196°C to $+250^{\circ}\text{C}$.
- Supply by one non-rechargeable Li battery AA 3.6v.
- Battery Life >5 years.
- Waterproof enclosures 83*58*33mm (IP66).

External Wired Sensor GEN-TEXW1

- Transmits temperature data via 433MHz ISM band.
- Measures every 45 seconds on average.
- Accuracy: $\pm 0.5^{\circ}\text{C}$ (max) from -20°C to $+100^{\circ}\text{C}$.
- Temperature range external probe: -40°C to $+125^{\circ}\text{C}$.
- Supply by one non-rechargeable Li battery AA 3.6v.
- Battery Life >5 years.
- Waterproof enclosures 83*58*33mm (IP66)
- This sensor can also be supplied as a dual wired option GEN-TDXW1

Temperature and Humidity Sensor GEN-THINT1

- Transmits temperature and Relative humidity data via 433MHz ISM band.
- Measures every 45 seconds (on average).
- Internal or external probes available.
 - Temperature measurement range and accuracy:
 - $\pm 0.3^{\circ}\text{C}$ (max.) from -25°C to $+110^{\circ}\text{C}$
 - Humidity measurement range and accuracy:
 - $\pm 2\%\text{RH}$ from 20% to 60%
 - $\pm 3\%\text{RH}$ from 0-20%
 - $\pm 4\%\text{RH}$ 80% to 100%
- Supply by one standard non-rechargeable Li battery.
- Expected battery lifetime over 10 years.
- box 83*58*33 mm. Internal probe has a hole in the box.



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Testimonials

The ADM GeneSysWeb monitoring system has been installed at our St Thomas' facility for three years. It has grown with our needs and been a vast improvement on our previous set-up.

I would definitely recommend the ADM GeneSysWeb monitoring system, it has given me peace of mind, looking after 10 years worth of irreplaceable research samples.

Dr. Cally Gill b.Sc.(Hons) Ph.D.
Research Technician
St Thomas' Hospital
London

I have known the team at ADM for five years, and we have worked on a number of mapping and validation projects together. I have found ADM to be knowledgeable, reliable, efficient, cost effective and I have only ever received positive feedback from clients or colleagues I have introduced them to.

I would not hesitate in recommending ADM.

Dave Rushton
Paradigm Shift Consulting Limited

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